

PROJECT TITLE : COMPUTER AND INSTRUMENTATION
SUPPORT GROUP

PERIOD COVERED : 23 NOVEMBER - 22 DECEMBER 1981

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Automation of the Smoking Laboratory

At present, the group is collecting the specifications of the different users in order to be in a better position to define the priority list for the 1982-1983 programming work.

A temporary data base has been set up on the HP 1000 F. It contains about 255 analysis criteria divided up into 12 transaction detail files and corresponds to the current needs of the smoking laboratory. In order to carry out certain simulation work, we have analysed the capacity of this base to be sure that it is able to contain the analytical results of more than 10'000 brands or tests.

In the coming months, we shall test the different possible accesses to this data base and evaluate certain calculation or report-editing programmes. To make this simulation more objective, we have entered, by keyboard, the data of some 2000 results obtained from an analysis of 60 different brands. The data base currently in use enables access via more than 12 different keys which can quickly locate the required information.

The calculations that we have been able to make with this particular data base show that we may easily stock the analytical results of 6 months' routine work. It should be noted that in this routine work, 1'500 brands are analysed per month. Even with all these analyses stocked, 20% of the capacity remains for other users.

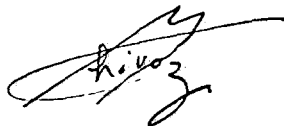
RTD/DIL Measurements on a Production Scale

After performing numerous adaptations on a SODIM measuring instrument which had several wiring defects, we have managed to make a reliable direct link-up with the HP 85. This link-up is time-saving and offers the possibility of checking during measuring each batch against the brand specifications.

The programme for the monthly data processing and month to month graphic comparisons is at present undergoing important changes.

Construction of Compressibility Instruments (FTR model)

We have been informed that there will be a considerable delay in the delivery of the mechanical part of these instruments which are to be supplied by an outside subcontractor. The delivery of the instruments, which was foreseen for the end of December 1981, has been postponed for 1 month.

A handwritten signature in dark ink, appearing to be "H. 403" or similar, with a large flourish above it.

MIT/jud/DECEMBER 22, 1981

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